

## PATENT ABSTRACTS OF JAPAN

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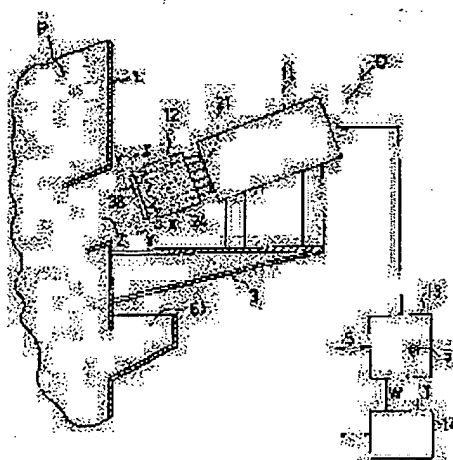
### (54) MEASURING DEVICE FOR MOISTURE CONTENT IN POWDERY AND GRANULAR MATERIAL LAYER

(57)Abstract:

PURPOSE: To make stable measurement of high accuracy possible by providing an insertion cylinder like a bottomed cylinder by facing its opening part to an accumulated body of powdery and granular materials and inserting this insertion cylinder selectively into the accumulated body.

CONSTITUTION: A measuring hole 2 is formed to the side wall of a metering bin 1 in which powdery and granular materials P are accumulated. A frame 3 is projected from the outside surface near the hole 2 of said side wall, and a part of a measuring device Q for moisture content of this invention is fixed on this frame 3. An insertion cylinder 24 like a bottomed cylinder is provided opposite to said hole 2, and this cylinder 24 is inserted selectively into said accumulated body by a back and forth driving device 11. A pressure sensor 42 is provided in the cylinder 24, and the extent of the movement for insertion is controlled by this, whereby the density of the accumulated body is made constant at all

times and the stable measurement of high accuracy is made possible.



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